

CLIMATOLOGICAL DATA R NOVEMBER, 1912.

DISTRICT No. 8, TEXAS AND RIO GRANDE VALLEY.

B. BUNNEMEYER, District Editor.

GENERAL SUMMARY.

The weather during November was generally pleasant and favorable for outdoor work. The number of crisp, sunshiny days was unusually large, and there were no severe storms. While cold weather occurred on several days, there was a marked absence of either very cold or very warm conditions, and as a rule the days were uniformly warm and the nights cool. A cold wave of short duration overspread the district on the 27th and 28th, and was attended by killing frosts nearly to the coast line. In the northern and western portions of Texas, however, killing frosts occurred as early as the 1st to 3d, which is considerably earlier than the average date for this section.

The precipitation was decidedly deficient, except in a few counties in western and southwestern Texas, and in the extreme southern portion of New Mexico, which had a slight excess. In a large number of localities in northwest Texas and in the northern portions of the district there was very little or no precipitation. The average number of days with 0.01 inch or more of precipitation was only 1 in New Mexico, and 2 in Colorado and in Texas. Most of the precipitation occurred on the 11th in Colorado, on the 16th in New Mexico, and on the 21st or 22d in Texas. Snow was confined to the higher mountain sections, and the fall was generally light, the heaviest monthly amount being 22.7 inches, at Anchor Mine, N. Mex. At the close of the month the average depth of snow on the upper Rio Grande watershed was 2 inches at an altitude of 9,500 feet.

The greatest monthly amount of precipitation in Colorado was 0.58 inch, at Cumbres; in New Mexico, 1.75 inches, at Newman; and in Texas, 3.84 inches, at Boerne. Less than 0.01 inch occurred at 4 stations in Colorado, at 27 in New Mexico, and at 12 in Texas. Excessive precipitation of 2.50 inches or more in 24 consecutive hours was reported from 10 stations in Texas, mostly in central and southwestern counties, the greatest amount being 3.75 inches, at Boerne, on the 21st.

TEMPERATURE.

The monthly mean temperature was 0.6° above the normal in Colorado, 1.5° below in New Mexico, and 1.1° below in Texas. For the district as a whole, it averaged about 1° below, although it exceeded the normal in the upper Rio Grande Valley and over a broad area extending through the interior of Texas from the Rio Grande to the Red River. The coldest weather occurred on the 27th-28th, although in many northern localities the 2d was the coldest day of the month. The warmest weather occurred generally between the 8th and 15th, and from the 3d to the 26th the daily temperatures approximated or were slightly above the normal.

The highest and lowest temperatures reported were, respectively, in Colorado, 67° at Manassa on the 9th and at Saguache on the 8th, and -7° at Hermit on the 1st; in New Mexico, 87° at Lakewood on the 9th, and 0° at Bluewater on the 25th; and in Texas, 90° at Killeen on the 14th and at Brighton on the 15th, and 17° at Fort Davis on the 14th. The local monthly means ranged

from 24.2° to 35.2° in Colorado, from 31.8° to 50° in New Mexico, and from 47.8° to 64.6° in Texas.

PRECIPITATION.

The precipitation over the Rio Grande watershed was decidedly deficient except locally in the vicinity of El Paso and of Eagle Pass, Tex. At nearly 40 per cent of the reporting stations in Colorado and New Mexico there was practically no fall of moisture. The average for the watershed, 0.37 inch, was about 40 per cent of the normal amount.

In the Rio Pecos watershed the precipitation was markedly deficient north of Carlsbad, N. Mex., while south of that station it was about double the normal amount. The total for the watershed averaged 0.60 inch, or about 75 per cent of the normal.

The Texas watersheds showed a general shortage of precipitation, the deficiencies ranging from 0.02 inch for the Lavaca watershed to 3.28 inches for that of the Neches. The San Antonio was the only watershed that had a slight excess. There was little or no precipitation over the headquarters of the Colorado and Brazos Rivers. The following are the average amounts in inches and hundredths for the various watersheds: Nueces, 1.33; San Antonio, 2.26; Guadalupe, 2.46; Lavaca, 2.98; Colorado, 1.56; Brazos, 0.87; Trinity, 0.63; Neches, 0.72; Sabine, 0.90; and coastal plains, 1.14.

RIVER CONDITIONS.

No rises of consequence occurred in any of the streams of the district, and they were practically at low-water mark throughout the month. In the upper Rio Grande Valley water for stock was becoming scarce.

MISCELLANEOUS.

Meteor.—Mr. H. H. Martin, assistant observer, made the following report of a meteor observed by him at Fort Worth, Tex.:

On Sunday November 10, at 5.55 a. m., a meteor of unusual brilliance was observed at about 45° altitude and 20° azimuth, or in the vicinity of the second magnitude star Alphard of the constellation Hydra. It moved slowly across the western sky near Procyon in Canis Minor, thence northerly into the constellation Auriga, where it disappeared behind housetops without exploding. The phenomenon was visible for 20 seconds. The diameter of the ball was about one-sixth that of the full moon. At the point of origin the meteor was dazzlingly white, casting a faint shadow. Near Procyon it was red with a train of whitish blue vapor. At the time of its disappearance it was whitish blue and the train was lurid and fiery. A faint rattle like distant musketry could be heard as it passed Procyon.

Thunderstorm.—Dr. I. N. Woodman, cooperative observer, Virsylvia, N. Mex., furnished the following report:

A severe electric storm occurred on the 11th, although little rain fell, and the storm was local in character. For the second time this year lightning struck the instrument shelter, doing no little damage. The shelter stands on a tripod, with the rain gage a few feet away. Both thermometers were broken and the bottom of the overflow of the rain gage was melted off. A nail driven into the post of the shelter and on which the key to the shelter was kept, disappeared and no trace of it could be found.

TABLE 1.—Climatological data for November, 1912. District No. 8, Texas and Rio Grande Valley.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.								Precipitation, in inches.								Sky.	Prevailing wind direction.	Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days, 0.10 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.					
<i>Colorado.</i>																							
Blanca.	Costilla.	7,865	3	31.2	.....	66	8	1	27	50	T.	.....	T.	T.	0	24	5	1	w.	Dr. L. C. Andrain.	
Cumbres.	Conejos.	10,015	5	30.2	+ 0.2	64	9	- 2	27	51	T.	- 0.33	0.23	4.5	4	22	6	1	sw.	Mrs. Ida M. Lively.			
Garnett.	Costilla.	7,576	19	30.2	+ 0.2	53	8†	- 7	1	54	T.	- 0.45	0.60	6.0	0	21	6	3	sw.	Chas. Speiser.			
Hermit.	Hinsdale.	9,843	5	24.2	.....	.....	.....	.....	.....	.....	.....	.....	0.41	2.0	1	20	5	5	w.	Marion Mason.
La Veta Pass.	Costilla.	9,000	2	.....	.....	.....	.....	.....	.....	0.11	.....	.....	.....	.....	.....	.....	.....	.....	.....	Clara M. Wright.
Manassa.	Conejos.	7,700	6	31.6	.....	67†	9	0	27	55	T.	.....	0.24	7.5	3	23	5	1	sw.	J. B. Chapman.	
Platoro.	do.	9,675	5	20	35.2	+ 1.9	67	8†	5	28	49	0.00	- 0.30	0.0	0	24	1	5	w.	Walter R. Hook.			
Saguache.	Saguache.	7,740	20	33.8	0.0	65	10	6	27	54	0.12	- 0.31	0.11	1.0	2	20	8	2	sw.	Eugene Williams.			
San Luis.	Costilla.	7,794	21	33.8	0.0	53	9	3	1	34	0.46	- 0.57	0.37	9.5	3	21	4	5	w.	P. B. Albright.			
Wagon Wheel Gap Experiment Station.	Mineral.	9,235	1	26.8	+ 0.4	U. S. Weather Bureau.		
<i>New Mexico.</i>																							
Agricultural College.	Dona Ana.	3,863	51	46.2	- 3.3	79	10	19	28	48	0.32	- 0.24	0.17	0	3	22	4	4	se.	N. Mex. Agr. College.			
Afamogordo (near).	Otero.	4,338	15	45.7	- 5.0	75	9	17	28	45	T.	- 0.68	T.	0	0	24	5	1	sw.	Edward Le Breton.			
Alamogordo.	do.	4,320	3	.....	.....	.....	.....	.....	.....	0.00	.....	0.00	0	0	0	0	0	0	s.	Agent E. P. & S. W. R. R.
Alamos Ranch.	Sandoval.	7,300	2	.....	.....	.....	.....	.....	.....	0.00	.....	0.00	0	0	0	0	0	0	w.	H. H. Brook.
Albuquerque.	Bernalillo.	5,000	36	.....	.....	.....	.....	.....	.....	0.00	- 0.49	0.00	0	0	0	0	0	0	w.	Pitt Ross, C. E.
Ancho.	Lincoln.	6,112	3	.....	.....	.....	.....	.....	.....	0.02	0.8	0.1	0.02	0.8	1	0	0	0	w.	Agent E. P. & S. W. R. R.
Anchor Mine.	Taos.	10,600	1	1	.....	.....	.....	.....	.....	1.44	.....	0.61	22.7	3	22	4	4	4	w.	Charles H. Brigham.
Artesia.	Eddy.	3,350	4	47.7	.....	82	7	20	2†	54	0.70	- 0.50	0.45	0	0	24	2	4	se.	Will Benson, C. E.		
Aspen Grove Ranch.	Rio Arriba.	9,000	3	.....	.....	.....	.....	.....	.....	0.35	.....	0.24	5.3	3	22	8	0	0	w.	Junitis D. Maupin.
Batemans Ranch.	do.	8,900	3	.....	.....	.....	.....	.....	.....	1.08	.....	0.71	16.5	3	23	3	4	4	w.	John W. Bateman.
Berino.	Dona Ana.	3,788	1	1	.....	.....	.....	.....	.....	0.85	.....	0.50	0	0	0	0	0	0	w.	J. C. Rishaberger.
Bluewater.	Valencia.	6,732	10	34.3	- 3.0	75	9	0	25	67	T.	- 0.39	T.	T.	0	23	7	0	w.	Bluewater Development Co.			
Boaz.	Chaves.	4,154	3	45.4	.....	77	8†	12	28	55	0.10	- 0.36	0.16	4.5	3	22	3	5	sw.	William Horner.		
Capitan.	Lincoln.	6,348	3	.....	.....	.....	.....	.....	.....	0.08	0.08	0.09	0	0	0	0	0	0	e.	Agent E. P. & S. W. R. R.
Carlsbad.	Eddy.	3,120	17	50.0	- 2.3	84	9†	20	28	53	0.85	+ 0.14	0.85	0	0	25	1	4	sw.	U. S. Reclamation Service.			
Carriozo.	Lincoln.	5,429	4	42.0	.....	70	8†	17	28	40	T.	.....	0	0	0	26	4	0	w.	Agent E. P. & S. W. R. R.	
Cerrillos (near).	Santa Fe.	5,700	.....	36.2°	24	10	2†	22†	50†	.....	.....	.....	0	0	0	0	0	0	w.	Irving C. Sweet.
Chama.	Rio Arriba.	7,351	14	35.1	- 1.9	63	9	6	1	33	0.16	- 1.06	0.16	2.0	1	26	3	1	w.	Franz C. Johnson.			
Cloudcroft.	Otero.	8,650	10	37.0	+ 1.4	59	21	12	27	38	0.59	- 0.97	0.52	8.0	2	28	1	1	w.	Agent E. P. & S. W. R. R.			
Corona.	Lincoln.	6,666	3	42.5	.....	75	8	6	27	50	0.04	0.04	1.0	0	0	21	8	1	w.	Do.		
Coyote.	do.	5,800	3	.....	.....	.....	.....	.....	.....	0.05	.....	0.05	1.0	1	27	1	2	sw.	Juan Vilij.	
Cundijo.	Santa Fe.	6,889	3	.....	.....	.....	.....	.....	.....	0.00	.....	0.00	0	0	0	0	0	0	w.	Erb & Westerman.
Demonstration Farm.	San Miguel.	6,800	3	.....	.....	.....	.....	.....	.....	0.00	.....	0.00	0	0	0	0	0	0	w.	Agent E. P. & S. W. R. R.
Duran.	Torrance.	6,272	3	44.2	.....	72	9	8	27	42	0.20	0.20	0.20	2.0	1	27	2	1	w.	Do.		
Escendido.	Otero.	4,014	3	.....	.....	.....	.....	.....	.....	0.35	.....	0.30	0	0	0	0	0	0	w.	Mrs. E. F. McBride.
Espanola.	Rio Arriba.	5,590	14	36.9	- 2.2	68	10	6	28	47	0.18	- 0.57	0.18	0	0	25	3	2	w.	George H. Van Stone.			
Estancia.	Torrance.	6,140	7	35.8	0.0	74	9	3	22†	56	0.06	- 0.56	0.25	2.5	1	23	5	2	w.	U. S. Sanitarium.			
Fort Stanton.	Lincoln.	6,231	35	42.6	+ 0.8	78	8	13	22	51	0.25	0.07	0.07	0	0	25	4	1	w.	Peter Yocky.			
Fort Sumner.	Guadalupe.	3,900	4	43.2	.....	83	7	11	27	54	0.07	0.04	0.04	0	0	20	5	5	w.	Agent E. P. & S. W. R. R.		
Gallinas.	Lincoln.	6,635	3	.....	.....	.....	.....	.....	.....	0.04	0.04	0.04	1.0	1	26	3	3	w.	Mrs. L. L. Shields.	
Gallinas Planting Sta.	San Miguel.	7,500	5	40.0b	.....	73	9	4	27	49	0.16	- 0.10	0.10	2.0	1	23	5	2	w.	J. W. Moseley.		
Glorietta Ranch.	Socorro.	5,700	2	.....	.....	.....	.....	.....	.....	0.11	.....	0.05	0.6	3	23	3	4	w.	P. A. Turnbull.	
Harvey's Upper Ranch.	San Miguel.	9,400	3	34.8	.....	57	9	1	31	21	0.21	- 0.15	0.35	3.5	3	23	6	1	w.	William K. Boyd.		
Hondo Reservoir.	Chaves.	3,904	3	45.7	.....	81	10	15	28	50	0.62	- 0.62	0.62	1.0	0	20	5	5	w.	Mrs. Josephine K. Boyd.		
Jemez Springs.	Sandoval.	6,100	2	40.0	.....	65	9	13	27	36	T.	.....	0.03	0.25	5.0	2	26	2	w.	Richard Pohl.	
Knowles (near).	Eddy.	4,300	2	46.0	.....	79	8†	19	27	49	0.03	0.03	0.03	0.03	0	16	13	1	w.	William Pender.		
Laguna.	Valencia.	5,840	7	40.2	.....	70	9†	11	29	48	0.00	0.00	0.00	0.00	0	16	4	1	w.	Peter Yocky.		
Lagunita.	Guadalupe.	4,500	7	.....	.....	78	10	8	29	48	0.00	0.00	0.00	0.00	0	16	4	2	w.	Agent E. P. & S. W. R. R.	
Lake Valley.	Sierra.	5,412	7	.....	.....	.....	.....	.....	.....	0.05	0.05	0.05	1.0	1	20	8	2	w.	Charles E. Beasley.	
Lakewood (near).	Eddy.	3,170	18	48.2	.....	87	9	17	28	52	0.65	- 0.65	0.65	2.5	1	22	5	3	w.	Miss Julia Hill.		
Lenark.	Dona Ana.	4,156	13	38.8	- 1.4	74	9	4	27	56	T.	- 0.76	T.	T.	0	29	1	0	w.	Agent Southern Pacific R. R.			
Las Vegas.	San Miguel.	6,355	25	38.8	.....	.....	.....	.....	.....	0.00	.....	0.00	0	0	0	25	4	1	w.	N. Mex. Normal Univ.
Liston.	Chaves.	5,000	2	.....	.....	.....	.....	.....	.....	0.00	- 0.44	0.00	0.00	0	0	25	2	2	w.	H. G. Liston.
Los Lunas (near).	Valencia.	4,900	23	39.2	- 2.8	72	10	7	28	48	0.00	- 0.44	0.00	0.00	0	25	2	2	w.	Richard Pohl.			
Magdalena.	Socorro.	6,557	7	40.5	.....	70	9†	14	27	40	0.30	- 0.20	0.20	0	0	25	2	2	w.	William Pender.		
Mescalero.	Otero.	6,627	1	41.3	.....	67	8	12	27	37	0.05	0.05	0.05	0.5	1	22	2	6	w.	Rev. R. H. Harper.		
Mineral Hill.	San Miguel.	7,050	7	40.7	.....	.....	.....	.....	.....	0.04	0.04	0.04	0.5	1	27	3	3	w.	W. M. Nelson.	
Monterey.	Otero.	4,436	3	74	8†	22	28	T.	0.04	0.04	0.04	1.0	0	23	5	2	w.	Agent E. P. & S. W. R. R.		
Mountainair.	Torrance.	6,547	10	40.6	+ 0.4	73	8	6	27	46	0.30	- 0.80	0.30	2.5	1	22	5	3	w.	Miss Julia Hill.			
Mountain Park.	Otero.	1	.....	.....	.....	.....	.....	.....	.....	0.08	0.08	0.08	0.05	1.0	0	25	2	3	w.	Charles E. Beasley.
Newman.	do.	3,939	3	.....	.....	.....	.....	.....	.....	1.75	.....	1.40	0	0	25	2	3	w.	Agent E. P. & S. W. R. R.	
Noria.	Dona Ana.</																						

TABLE 1.—Climatological data for November, 1912. District No. 8—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of overcast days.		
New Mexico—Contd.																				
Vaughn.	Guadalupe.	5,952	3	36.6	.....	70	9	.....	28	42	0.16	.....	0.16	2.0	1	23	5	2	sw.	Agent E. P. & S. W. R. R.
Virsylvania.	Taos.	7,500	2	36.6	.....	60	23	9	28	42	0.04	.....	0.04	1.2	1	28	2	0	s.s.	Dr. I. N. Woodman.
Willard.	Torrance.	6,080	.....	36.6	.....	72	9	3	27	54	0.10	.....	0.10	1.2	1	27	1	2	sw.	Dr. Voiney S. Chesney.
Winsors.	San Miguel.	8,200	16	34.8	-0.9	61	9	7	27	42	0.00	-1.13	0.00	0	0	20	10	0	sw.	James F. Matty.
Texas.																				
Abilene.	Taylor.	1,738	27	53.9	+ 1.3	82	7	28	2	39	0.33	-0.91	0.33	0	2	20	4	6	s.	U. S. Weather Bureau.
Albany.	Shackelford.	1,429	18	52.0	-0.7	82	8	19	27	47	0.41	-1.17	0.41	0	1	27	1	2	n.	N. L. Bartholomew.
Alice.	Jim Wells.	209	1	63.0	.....	85	12	30	28	38	1.12	.....	0.90	0	3	17	6	7	n.	R. M. Boerum.
Alpine.	Brewster.	4,482	2	.....	.....	84	12	27	28	32	2.20	.....	1.20	T.	2	23	0	7	n.	H. B. Cowles.
Alvin.	Brazoria.	49	14	57.0	.....	84	12	27	28	32	0.86	-3.28	0.83	0	2	11	6	13	n.	Alvin Japanese Nursery.
Anahuee.	Chambers.	23	3	.....	.....	84	12	27	28	32	0.45	.....	0.23	0	4	23	6	1	n.	Lone Star Canal Co.
Antelope.	Jack.	1	.....	.....	.....	84	12	27	28	32	0.18	.....	0.11	0	2	23	5	12	n.	Paul Rudolph.
Aspermont.	Stonewall.	593	56	56.1	-2.1	78	11	28	28	31	0.73	-0.20	0.29	0	1	29	1	1	s.	Bryant Link Co.
Austin.	Travis.	1,637	16	54.8	+ 0.3	84	9	20	28	48	1.75	+ 0.33	1.66	0	5	15	6	9	se.	A. Deussen.
Ballinger.	Runnels.	2,573	5	.....	.....	84	9	20	28	48	1.70	.....	1.50	0	2	16	1	13	n.	E. M. Eubank.
Barstow.	Ward.	53	2	62.6	.....	86	7	32	28	44	3.17	.....	2.95	0	3	18	4	8	n.	F. P. Ingerson.
Bay City.	Matagorda.	29	11	59.8	-5.1	85	12	29	28	36	1.19	-2.82	0.94	0	5	21	0	9	n.	E. C. Quereau.
Beaumont.	Jefferson.	225	16	61.9	-1.2	84	11	30	28	33	1.37	-0.91	1.33	0	2	13	5	12	n.	John Bender.
Beeville.	Bee.	2,396	14	52.2	-1.4	87	8	21	23	48	1.13	-0.32	0.90	0	2	26	1	3	s.	L. E. Dickey.
Big Springs.	Howard.	1,350	16	55.2	-1.8	82	11	22	28	44	1.90	-0.33	1.90	0	2	16	14	0	s.	B. Reagan.
Blanco.	Blanco.	1,412	20	56.4	-0.8	82	8	27	27	50	3.84	+ 1.12	3.75	0	2	14	13	13	n.	R. C. Crist.
Boerne.	Fort Bend.	81	11	.....	.....	84	8	26	28	43	1.25	-1.99	0.90	0	4	21	0	9	ne.	F. W. Schewpke.
Bowie.	Montague.	1,113	17	54.6	-0.2	79	9	26	28	43	0.14	-2.34	0.12	0	2	21	1	8	n.	T. R. Booth.
Brady.	McCulloch.	1,500	11	57.8	.....	88	4	28	28	40	0.85	-0.82	0.85	0	1	17	5	8	s.	Craig Anderson.
Brazoria.	Brazoria.	25	60.3	-2.0	83	12	28	28	42	3.69	-0.14	2.79	0	0	19	9	6	n.	Prof. J. O. Wallis.	
Brazos.	Palo Pinto.	801	3	.....	.....	84	8	27	28	42	0.28	.....	0.28	0	1	15	12	3	s.	Mrs. M. A. Stevens.
Brenham.	Washington.	350	27	58.5	-2.5	82	10	31	28	36	1.20	-2.56	1.20	0	1	11	4	15	n.	Robt. E. Boyett.
Bridgeport.	Wise.	754	3	.....	.....	84	8	27	28	36	0.10	.....	0.06	0	1	17	7	6	n.	Mrs. B. F. Sloan.
Brighton.	Nueces.	12	19	64.6	-1.8	90	15	34	28	31	1.21	-1.14	0.91	0	3	26	0	4	s.	Claud Strange.
Brownsville.	Cameron.	38	45	64.2	-3.3	85	6	39	3	34	1.40	-0.80	0.60	0	9	10	10	2	n.	G. H. Ritter.
Brownwood.	Brown.	1,342	20	52.7	-0.6	83	6	21	28	50	1.38	-0.25	1.05	0	2	18	10	2	s.	U. S. Weather Bureau.
Buena Vista.	Pecos.	.....	.....	.....	.....	84	8	26	28	43	0.14	.....	0.70	0	3	26	0	4	n.	Mrs. Pearl Smith.
Cameron.	Milan.	4	57.0	.....	.....	84	7	27	27	44	1.97	.....	1.60	0	5	22	4	4	se.	W. H. Denis.
Carmona.	Polk.	330	4	54.3	.....	82	10	21	28	45	1.16	.....	0.27	0	5	19	3	8	s.	J. E. Watts.
Carriizo Springs.	Dimmit.	61.3	.....	.....	.....	85	10	31	28	42	1.15	.....	0.60	0	3	18	0	12	n.	M. S. Spitler.
Claytonville.	Fisher.	2,100	17	49.7	-3.0	80	7	26	24	39	0.15	-1.33	0.15	0	1	25	1	4	se.	M. E. Cook.
Clifton.	Bosque.	671	1	.....	.....	84	8	27	27	49	1.12	.....	0.60	0	5	19	6	5	n.	Wm. Lanius.
Coleman.	Coleman.	1,710	18	55.9	+ 1.2	88	8	26	28	50	1.60	0.00	0.67	0	3	10	15	5	n.	R. M. Jones.
Collegeport.	Matagorda.	58.6	.....	.....	.....	80	5	30	3	42	0.27	.....	0.27	0	1	14	12	4	n.	J. E. Stevens.
College Station.	Brazos.	308	22	59.0	+ 0.6	84	8	27	28	40	0.92	-2.92	0.74	0	5	14	4	12	n.	H. A. Clapp.
Colorado.	Mitchell.	2,066	18	53.6	-0.2	88	8	23	2	58	0.00	-1.47	0.00	0	0	0	0	0	n.	Prof. G. S. Fraps.
Columbia.	Brazoria.	34	23	.....	.....	84	8	27	28	40	0.92	-2.92	0.74	0	5	14	4	12	n.	R. M. Webb.
Columbus.	Colorado.	206	8	.....	.....	82	6	39	28	41	1.60	.....	1.60	0	1	11	2	17	n.	R. B. Loggins.
Corpus Christi.	Nueces.	20	25	63.2	-0.2	82	6	39	28	41	1.58	-0.83	1.44	0	5	12	11	5	se.	Mrs. Sophie Bridge.
Corsicana.	Navarro.	445	23	54.0	-2.0	80	11	27	29	38	0.73	-2.54	0.24	0	5	16	4	10	n.	U. S. Weather Bureau.
Cotulla.	La Salle.	425	5	.....	.....	82	7	26	28	45	2.35	.....	1.80	0	3	17	3	10	n.	D. H. Winn.
Crockett.	Houston.	350	8	58.0	.....	83	8	24	28	39	0.79	.....	0.36	0	4	19	6	5	n.	Holland Agricultural Co.
Cuero.	De Witt.	177	22	58.6	-3.8	81	12	25	29	44	1.12	-1.92	1.12	0	1	16	1	13	n.	A. M. Rencher.
Dallas.	Dallas.	466	23	53.5	-1.1	84	8	21	28	47	1.39	-1.57	0.73	0	5	16	2	12	s.	H. R. Frobose.
Daneyevang.	Wharton.	145	16	58.2	-4.8	85	11	25	28	48	1.90	-2.00	1.45	0	2	26	2	2	se.	G. A. Eisenlohr.
Del Rio.	Val Verde.	652	6	56.3	-3.1	80	8	29	28	40	1.09	-0.69	0.76	0	5	16	8	6	n.	H. P. Hermansen.
Devine.	Medina.	653	2	61.8	.....	87	9	28	26	45	2.35	.....	1.80	0	3	17	3	10	n.	U. S. Weather Bureau.
Dialvile.	Cherokee.	575	8	57.6	.....	82	12	27	28	38	0.51	.....	0.18	0	4	17	10	3	n.	M. A. Keller.
Dilley.	Frio.	569	2	.....	.....	84	7	27	28	45	1.25	.....	0.75	0	2	27	5	20	n.	J. M. B. McKnight.
Dublin.	Erath.	1,466	16	55.4	0.0	88	10	24	28	45	0.87	-0.97	0.66	0	4	17	8	5	w.	John W. Miller.
Duval.	Travis.	820	23	58.0	-2.1	80	8	32	28	41	2.16	-0.33	1.96	0	2	18	3	9	nw.	Jno. O. Shafer.
Eagle Pass.	Maverick.	800	35	59.6	-1.5	85	8	32	27	48	1.19	+ 0.09	0.58	0	5	17	2*	4*	n.	J. C. Edgar.
Eastland.	Eastland.	1,420	5	.....	.....	84	8	27	28	40	0.60	.....	0.60	0	1	14	10	6	nw.	Charles Tarver.
Edna.	Jackson.	71	3	.....	.....	84	8	26	28	38	0.80	-0.21	0.54	0	2	21	6	3	n.	James A. Beard.
El Paso.	El Paso.	3,762	33	49.3	-1.6	80	10	26	28	38	0.80	+ 0.21	0.54	0	4	21	6	3	nw.	E. L. Faires.
Encinal.	La Salle.	558	5	55.9	.....	81	7	33	28	35	0.12	.....	0.12	0	1	17a	2*	10*	n.	U. S. Weather Bureau.
Eola.	Concho.	.....	.....	.....	.....	84	7	29	26	42	0.00	.....	0.00	0	0	27	1	2	n.	Walter Pettifit.
Fairland.	Burnet.	1,000	23	62.7	.....	89	12	30	28	46	1.22	.....	0.44	0	5	18	7	5	se.	E. W. Neal.
Falfurrias.	Brooks.	465	4	60.1	.....	84	12	31	28	36	3.48	.....	2.63	0	5	10	6	7	s.	W. A. Gardner.
Flatonia.	Fayette.	483	2	54.9	.....	81	8	18	28	41	0.07	.....	0.07	0	1	17	6	7	s.	F. C. C. Carter.
Flint.	Smith.	1,050	41	56.0	-3.5	77	8	30												

TABLE 1.—Climatological data for November, 1912. District No. 8—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.				
				Mean.			Departure from the normal.			Total.			Departure from the normal.									
				Highest.	Date.	Lowest.	Greatest daily range.	Date.	Lowest.	Total.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.							
Texas—Continued.																						
Henderson.	Rusk.	500	3							0.26	- 1.51	0.10	0	3	18	6	6	M. Kangerga.				
Hewitt.	McLennan.	664	17							1.21	- 1.51	0.69	0	4	19	7	4	I. H. Earle.				
Hico.	Hamilton.		1							0.96	-	0.70	0	4	19	7	4	John A. Eakins.				
Hillsboro.	Hill.	625	9							0.43	-	0.43	0	1	7	n.		W. G. Escott.				
Hondo.	Medina.	901	13	56.8	- 0.7	79	11	23	28	40	2.57	+ 0.84	2.25	0	2	20	3	n.	H. E. Haass.			
Houston.	Harris.	138	22	60.6	- 0.7	81	12	34	28	39	0.67	- 3.22	0.67	0	2	11	13	6	U. S. Weather Bureau.			
Huntsville.	Walker.	400	28	57.2	- 2.0	80	18	26	28	36	1.94	- 1.86	1.00	0	3	14 ^a	0 ^b	0 ^c	W. Y. Barr.			
Jayton.	Kent.									0.00	-	0.00	0	0	27	0	3	s.	Wichita Valley Ry. Co.			
Jewett.	Leon.	496	8	55.0		82	10 ^d	22	28 ^d	44	0.85	-	0.40	0	3	24	2	4	Earle Adkisson.			
Junction.	Kimble.	1,645	11	54.4		82	11	20	28	55	2.25	-	2.25	0	1				Judge John S. Durst.			
Kaufman.	Kaufman.	443	13	55.4	- 2.4	79	9	25	28	33	0.26	-	2.79	0.15	0	2	20	5	s.	B. J. Hubbard.		
Kerrville.	Kerr.	1,650	16	54.4	- 3.0	80	8	20	28	44	2.03	-	0.95	2.03	0	1	15	7	n.	Robert E. Horne.		
Killeen.	Bell.			56.8		90	14	30	27	54	2.30	-	1.15	0	4			J. E. Root, jr.				
Knickerbocker.	Tom Green.	2,050	8	53.6		87	3	22	2	52	3.08	-	1.88	0	4	25	3	2	Jos. Tweedy.			
Kopperl.	Bosque.	576	15							0.60	- 2.25	0.60	0	1	13	7	10	T. A. Johnson.				
Lagrange.	Fayette.	276	2							1.31	-	1.20	0	3	17	1	12	August Hermes.				
Lamesa.	Dawson.	2,500	2							0.00	-	0.00	0	0				S. D. Austin.				
Lampasas.	Lampasas.	1,026	20	54.4	- 2.0	83	7	23	28	49	1.64	-	1.28	0	3	19	2	9	Jno. G. Kenedy.			
La Parra.	Willacy.	38	10							1.25	-	0.76	0.45	0	4			Mrs. A. H. Jackson.				
Laredo.	Webb.	427								0.29	-	0.16	0	5	25	0	5	Matt Cody.				
Laureles Ranch.	Nueces.	20	12							0.92	- 1.40	0.92	0	1				Mrs. Fannie Sneed.				
Liberty.	Liberty.	38	8	57.9		85	12	23	28	44	1.41	-	1.02	0	3	19	9	2	E. W. Torrence.			
Llano.	Llano.	1,040	21	54.7	- 3.1	80	8	26	28	42	1.58	+ 0.25	1.56	0	2	18	9	3	M. D. Wardlow.			
Long Lake.	Anderson.	229	7							0.90	-	1.40	0	0				Geo. W. Ellis.				
Longview.	Gregg.	336	28	53.4	- 2.9	79	11	26	29	40	1.26	-	2.84	0.68	0	3	22	0	s.	C. A. Propst.		
Lubbock.	Lubbock.									0.01	-	0.01	0	1	27	1	2	A. L. Paschall.				
Lufkin.	Angelina.	325	5	56.2		83	12	21	28	47	0.43	-	0.25	0	2	26	0	4	T. A. King.			
Luling.	Caldwell.	418	23	58.8	- 1.4	82	11	30	28	35	3.73	+ 1.31	3.50	0	3	15	3	12	John Carter.			
McGregor.	McLennan.	713	2							1.58	-	1.10	0	3	24	1	5	W. H. Whitley.				
McKinney.	Collin.	612	10	54.0		81	8	18	28	45	0.23	-	2.95	0.18	0	3	20	4	n.	H. Killingsworth.		
Marathon.	Brewster.	4,043	2	49.1		77	7 ^d	24	2	39	2.75	-	1.24	1.0	0	3	12 ^a	11 ^b	s.	Rev. A. P. Willis.		
Marble Falls.	Burnet.	771	4							1.90	-	1.90	0	1	18	0	12	B. E. Cochran.				
Marfa.	Presidio.																	W. L. Jones.				
Marshall.	Harrison.	375	11	54.6		81	11 ^d	21	28	42	0.18	- 2.90	0.18	0	1	7 ^a	14 ^a	8 ^a	s.	Lee Scott.		
Matagorda.	Matagorda.	12	2							2.07	-	2.07	0	1	26	3	1	n.	W. E. McNabb.			
Mexia.	Limestone.	537	8	54.4		84	8	24	28	44	0.83	-	0.34	0	5	10	8	12	Miss Josephine Newman.			
Midland.	Midland.		5	52.4		80	7 ^d	28	27	50	0.85	-	0.50	0	2	20	8	2	J. Harvey Clark.			
Mission.	Hidalgo.	140	2	64.6		87	6 ^d	37	3	41	1.54	-	0.86	0	3	8	16	6	Myron J. Conway.			
Mont Belvieu.	Chambers.	65	2							0.98	-	0.53	0	5	19	9	2	A. R. Shearer.				
Montell.	Uvalde.									0.58	-	0.25	0	4	15	8	7	A. G. Beecroft.				
Mount Blanco.	Crosby.	2,750	23	48.1	- 1.2	79	7 ^d	19	2	43	0.05	- 1.31	0.05	0	1	25	3	2	Geo. W. Smith.			
Nacogdoches.	Nacogdoches.	271	13	53.4	- 5.0	81	10 ^d	21	28	39	0.80	-	3.74	0.29	0	4	21	1	n.	Miss Mary Hofmann.		
New Braunfels.	Comal.	720	23	57.8	- 1.6	79	11	23	28	33	0.37	+ 0.88	3.00	0	2	16	4	10	J. Giesecke.			
Palestine.	Anderson.	510	30	56.8	- 0.1	79	11	30	28	29	0.57	-	3.06	0.26	0	5	16	5	9	U. S. Weather Bureau.		
Panter.	Hood.	1,000	23							0.57	-	1.76	0.25	0	3				E. H. Snider.			
Pearlsall.	Frio.	629	2							2.22	-	1.82	0	2					Barnest De Vibiss.			
Pierce.	Wharton.	103	6	58.4		84	12	27	28	43	2.40	-	2.09	0	3	11	0	19	R. B. Pointer.			
Plainview.	Hale.	3,370	16	47.8	- 3.5	80	7	20	27	45	0.00	-	1.46	0.00	0	27	0	3	J. F. Sander.			
Port Lavaca.	Calhoun.	20	11	60.6	- 4.4	84	12	33	28	33	1.88	-	1.88	0	1	14	12	4	J. H. Bickford.			
Post.	Garza.	2,700	2							T.	-	T.	0	0	22	0	8	s.	W. T. Mann.			
Putnam.	Callahan.	1,591	1							0.30	-	0.30	0	0	1	26	1	3	S. M. Davis.			
Raymondville.	Cameron.									0.96	-	0.52	0	5				C. H. Pease.				
Ricardo.	Nueces.	57	3															P. L. Shaffer.				
Rio Grande.	Star.			36														D. N. Garza.				
Riverside.	Walker.	169	8							1.12	-	0.57	0	3	13	0	17	n.	Mrs. C. W. Higdon.			
Rockland.	Tyler.	136	3							1.50	-	0.60	0	3	8	9	13		Mack Dunkin.			
Rockport**.	Aransas.	12	11	63.4	- 0.2	78	10 ^d	36	28	23	0.85	-	2.07	0.50	0	3	18	4	e.	Mrs. G. Grewe.		
Rossville.	Atascosa.	558	5	59.8		81	8 ^d	28	28	41	1.02	-	0.79	0	4	15	10	5	se.	W. F. M. Ross.		
Runge.	Karnes.	303	17							1.75	-	1.75	0	1				Reiffert & Frobose.				
Sabinal.	Uvalde.	964	8	58.3		79	11 ^d	27	28	34	1.79	-	0.62	0	4	11	7	12	Jas. Johnston.			
Salado.	Bell.									2.10	-	1.29	0	3	15	0	15	H. Pratt.				
San Angelo.	Tom Green.	1,847	21	53.3	+ 0.8	80	1	26	15 ^d	42	2.02	+ 0.71	1.82	0	2	26	1	3	L. M. Crockett.			
San Antonio.	Bexar.	701	27	59.7	+ 0.5	81	8	30	28	33	1.45	-	0.33	1.43	0	3	10	7	n.	Sam Crowther.		
San Augustine.	San Augustine.	360	3	55.2		81	11	20	28	45	0.52	-	0.22	0	5	12	6		U. S. Weather Bureau.			
San Juanito.	Hidalgo.									0.83	-	0.29	0.29	0	5	0	25		J. B. McAllen.			
San Marcos.	Hays.	588	19	57.2	- 3.2	80	8 ^d	27	28	38	0.83	-	0.29	0.30	0	5	12	6	se.	Miss L. C. Ford.		
San Saba.	San Saba.	1,712	11	53.8	- 3.5	81	8	21	28	48	1.84	-	0.42	1.44	0	3	20	8	2	Jas. Burns.		
Santa Gertrudes.	Nueces.	12								1.17	-	1.14	0	2	15	3	12		J. B. Wright, Jr.			
Sealy.	Austin.	201	1							T.	-	T.	0	0	22	5	3		O. H. Albert.			
Seymour.	Baylor.	1,320	6	53.2		88	5	22	26	41	0.00	-	0.00	0	0	19	0	9	s.	S. C. Lee.		
Snyder.	Scurry.	1	48.7			80	7	22	28	45	0.00	-	0.00	0	2	22	0	7		J. Allen Weaver.		
Somerville.	Burleson.	251	3	60.4		85	8	26	28	44	1.20	-	1.05	0	2	18	3					

TABLE 2.—*Daily precipitation for November, 1912. District No. 8, Texas and Rio Grande Valley.*

Stations.	Watershed.	Day of month.																													Total.			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
<i>Colorado.</i>																																		
Blanca	Rio Grande	T.		.23	.10	T.	.03					T.	.22	T.								T.										T.	.058	
Cumbres	do												T.																				T.	
Garnett	do													.45	T.																		T.	.45
Hermit	do																																T.	.11
La Veta Pass	do																																T.	
Manassa	do																																T.	
Platoro	do																																T.	.50
Saguache	do																																T.	.00
San Luis	do																																T.	.12
Wagon Wheel Gap Experiment Sta.	do																																T.	.46
<i>New Mexico.</i>																																		
Agricultural College	Rio Grande																																T.	0.32
Alamogordo (near)	do	T.																															T.	
Alamogordo	do																																T.	0.00
Alamos Ranch	do																																T.	0.00
Albuquerque	do																																T.	0.00
Ancho	do																																T.	0.02
Anchor Mine	do																																T.	1.44
Artesia	Pecos																																T.	0.70
Aspen Grove Ranch	Rio Grande																																T.	0.35
Batemans Ranch	do																																T.	1.08
Berino	do																																T.	0.85
Bluewater	do																																T.	
Boaz	Pecos																																T.	0.10
Capitan	do																																T.	0.36
Carlsbad	do																																T.	0.85
Carizozo	Rio Grande																																T.	
Cerrillos (near)	do																																T.	0.16
Chama	do																																T.	
Cloudcroft	Pecos																																T.	0.59
Corona	do																																T.	
Coyote	Rio Grande																																T.	0.05
Cundiyo	do																																T.	0.00
Demonstration Farm	Pecos																																T.	0.00
Duran	do																																T.	0.20
Escondido	Rio Grande																																T.	0.35
Espanola	do																																T.	0.18
Estancia	do																																T.	0.06
Fort Stanton	Pecos																																T.	0.25
Fort Sumner	do																																T.	0.07
Gallinas	do																																T.	0.16
Gallinas, Planting Station	do																																T.	
Glorieta Ranch	Rio Grande																																T.	0.11
Harveys Upper R'ch	Pecos																																T.	0.21
Hondo Reservoir	do																																T.	0.62
Jemez Springs	Rio Grande																																T.	0.03
Knowles (near)	Pecos																																T.	0.00
Laguna	Rio Grande																																T.	0.00
Lagunita	Pecos																																T.	0.00
Lake Valley	Rio Grande																																T.	0.05
Lakewood (near)	Pecos																																T.	0.65
Lamar	Rio Grande																																T.	0.88
Las Vegas	Pecos																																T.	0.00
Liston	do																																T.	0.30
Los Lunas (near)	Rio Grande																																T.	0.05
Magdalena	do																																T.	0.04
Mescalero	do																																T.	0.30
Mineral Hill	Pecos																																T.	0.08
Monterey	Rio Grande																																T.	1.75
Mountainair	do																																T.	0.20
Mountain Park	do																																T.	0.18
Newman	do																																T.	0.00
Noria	do																																T.	0.00
Orogrande	do		</																															

TABLE 2.—*Daily precipitation for November, 1912. District No. 8—Continued.*

Stations.	Watershed.	Day of month.																													Total.		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
Texas.																																	
Abilene.	Brazos.																																0.33
Albany.	do.																															0.41	
Alice ||.	Coast.																															1.12	
Alpine.	Pecos.																															2.20	
Alvin.	Coast.																															0.80	
Anahuac.	do.																															0.18	
Antelope.	Trinity.																															0.45	
Aspermont.	Brazos.																															0.70	
Austin.	Colorado.																															1.08	
Ballinger ||.	do.																															2.73	
Barstow.	Pecos.																															1.75	
Bay City.	Colorado.																															3.17	
Beaumont ||.	Neches.	.94																														1.19	
Beeville ||.	Coast.																															1.37	
Big Springs.	Colorado.																															1.13	
Blanco ||.	Guadalupe.																															1.90	
Boerne ||.	San Antonio.																															3.80	
Booth ||.	Brazos.	.05																														1.25	
Bowie.	Trinity.																															0.14	
Brady.	Colorado.																															0.85	
Brazoria.	Brazos.																															3.68	
Brazos ||.	do.																															0.28	
Brenham ||.	T.																															1.20	
Bridgeport ||.	Trinity.																															0.10	
Brighton.	Coast.																															2.21	
Brownsville.	Rio Grande.																															1.40	
Brownwood ||.	Colorado.	T.																														3.38	
Buena Vista.	Pecos.																															2.18	
Cameron ||.	Brazos.																															1.97	
Carmona.	Neches.																															1.10	
Carrizo Springs.	Nueces.																															1.15	
Claytonville.	Brazos.																															0.15	
Clifton.	do.	.02																														1.12	
Coleman.	Colorado.																															1.60	
Collegeport.	Coast.																															0.00	
College Station.	Brazos.																															0.92	
Columbus ||.	Colorado.																															0.00	
Corpus Christi.	Colorado.																															1.60	
Corsicana ||.	Trinity.	.24																														1.58	
Cotulla.	Nueces.																															0.72	
Crockett.	Trinity.																															0.79	
Cuero ||.	Guadalupe.																															1.12	
Dallas ||.	Trinity.	.78																														1.39	
Del Rio.	Rio Grande.																															1.90	
Devine.	Nueces.																															2.35	
Dialville.	do.																															0.51	
Dilley.	do.																															0.87	
Dublin ||.	Brazos.	.14																														2.16	
Duval.	Colorado.																															1.19	
Eagle Pass.	Rio Grande.																															2.80	
Eastland ||.	Brazos.																															0.00	
Edna.	Lavaca.																															0.30	
El Paso.	Rio Grande.																															0.80	
Encinal.	Nueces.																															0.12	
Eola.	Colorado.																															2.00	
Fairland.	do.																															1.22	
Falfurrias.	Coast.																															0.05	
Flatonia.	Guadalupe.																															0.44	
Fort Clark ||.	Neches.																															0.07	
Fort Davis.	Rio Grande.																															0.30	
Fort McIntosh.	Rio Grande.																															0.68	
Fort Stockton.	Pecos.																															1.98	
Fort Worth.	Trinity.																															0.33	
Fredericksburg.	Colorado.																															1.90	
Gail.	do.																															0.00	
Gainesville.	Trinity.	.24																														0.24	
Galveston.	Coast.	T.																														0.41	
Garden City.	Colorado.																															1.36	
Gatesville.	Brazos.																															0.08	
Georgetown ||.	do.																															1.08	
Goliad.	San Antonio.																															3.50	
Gonzales ||.	Guadalupe.																															1.79	
Goree.	Brazos.																															T	
Graham ||.	do.																															1.03	
Grand Falls.	Pecos.																															0.15	
Grand Saline.	Sabine.																															0.34	
Grapevine.	Trinity.																																

TABLE 2.—*Daily precipitation for November, 1912. District No. 8—Continued.*

* Precipitation included in that of the next measurement.

† Separate dates of falls not recorded.

Precipitation for the 24 hours ending on the morning when it is measured.
T Precipitation is less than 0.01 inch rain or melted snow.

T. Precipitation is less than 0.01 inch rain or melted snow.

MONTHLY WEATHER REVIEW.

NOVEMBER, 1912

TABLE 3.—Maximum and minimum temperatures for November, 1912. District No. 8, Texas and Rio Grande Valley.

Date.	Colorado.				New Mexico.										Texas.													
	Garnett.		San Luis.		Agricultural College.		Carlsbad.		Fort Stanton.		Mountain-air.		Rosedale.		Roswell.		Santa Fe.		Santa Rosa.		Abilene.		Big Springs.		Brownsville.		Corpus Christi.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1....	44	8	49	8	67	34	57	31	54	27	62	30	46	25	52	30	42	24	55	22	53	35	56	29	78	49	63	49
2....	46	9	49	6	57	29	76	24	57	14	60	25	45	22	59	24	48	26	60	19	62	28	66	22	65	44	61	45
3....	50	16	43	16	69	33	72	37	58	18	58	24	54	22	71	28	46	30	63	26	68	43	69	40	73	39	68	52
4....	44	11	45	19	73	30	73	39	72	26	60	27	58	26	70	31	49	26	67	38	75	50	74	36	79	56	77	63
5....	52	16	50	20	65	33	72	34	60	26	65	24	51	28	67	37	46	32	67	38	80	56	77	50	81	63	75	67
6....	55	8	55	11	66	36	83	30	61	27	62	22	57	25	69	32	50	27	68	28	67	43	80	45	85	60	82	66
7....	59	10	64	23	72	26	83	49	62	28	70	28	64	32	78	29	58	33	77	43	82	40	84	56	70	56	82	66
8....	53	15	63	19	78	33	79	41	78	35	73	30	64	38	75	33	64	35	73	32	77	44	87	39	82	54	75	59
9....	64	15	60	19	77	34	84	37	72	24	72	26	66	38	75	34	64	40	80	30	77	55	85	48	81	52	75	64
10....	58	14	65	23	79	31	84	36	75	24	72	32	72	50	78	34	61	36	76	30	74	53	79	50	81	54	76	65
11....	53	21	48	22	63	54	69	36	61	45	57	37	52	35	75	49	53	34	65	41	78	59	87	57	81	60	78	68
12....	61	23	52	22	64	30	69	30	64	37	55	30	50	30	64	36	48	30	66	45	70	41	85	65	70	58	76	69
13....	52	8	60	12	64	28	70	36	63	18	56	15	60	28	66	29	53	27	77	23	66	36	67	29	74	58	72	56
14....	54	16	61	12	65	26	71	34	65	15	62	35	55	28	67	25	56	27	72	23	75	36	73	28	75	44	69	51
15....	53	5	55	15	69	30	70	28	67	18	50	30	58	26	67	23	53	31	67	26	74	43	75	29	78	46	72	51
16....	48	14	57	18	47	35	65	40	54	30	55	25	42	30	46	37	48	32	53	39	70	42	64	28	68	53	72	62
17....	50	8	54	12	53	40	63	29	43	28	56	22	42	28	48	33	49	25	56	30	56	35	57	39	73	62	67	56
18....	54	3	55	8	56	27	69	28	55	14	50	21	52	25	58	26	51	24	65	25	67	32	72	29	66	51	59	53
19....	52	1	60	6	57	26	63	29	56	18	49	20	50	28	59	25	52	26	69	27	68	34	70	52	72	52	72	52
20....	50	3	57	15	63	25	70	29	58	22	52	20	50	22	61	26	49	22	67	36	68	42	67	41	78	49	68	52
21....	50	13	51	20	57	38	59	35	54	28	55	10	44	22	50	28	46	26	55	35	57	46	57	41	70	62	70	64
22....	55	4	60	9	59	25	63	30	61	13	53	23	55	22	62	21	52	23	68	21	60	43	59	29	66	57	66	58
23....	52	8	55	14	62	23	62	26	74	30	56	26	60	31	64	23	55	31	68	23	66	34	55	21	72	52	72	52
24....	48	6	51	10	59	22	64	28	64	18	52	28	52	30	58	25	53	27	53	21	60	30	61	34	78	47	68	53
25....	52	3	51	12	62	25	60	29	64	22	51	25	57	25	59	21	49	26	58	16	62	38	60	34	79	52	72	58
26....	51	3	48	9	64	25	56	26	62	16	50	16	60	28	53	24	49	24	50	16	56	29	65	31	77	57	64	58
27....	42	-2	44	7	49	23	52	32	56	16	50	6	45	15	41	22	38	8	45	11	46	29	60	31	68	53	60	46
28....	48	0	51	7	56	19	67	20	60	17	54	18	52	20	60	15	50	19	67	24	57	29	67	27	64	40	59	39
29....	48	2	53	8	61	22	64	27	63	17	55	13	56	28	63	21	52	24	60	28	65	43	65	38	73	49	69	51
30....	47	3	48	13	58	28	59	31	58	16	62	22	50	25	56	23	47	29	62	17	67	64	65	41	74	53	67	61
Mns..	51.5	8.8	53.8	13.8	63.0	29.5	68.1	32.0	61.7	23.4	57.9	23.4	54.1	27.7	62.4	28.1	51.0	27.5	64.2	27.2	66.6	41.2	68.5	36.0	75.3	53.0	69.9	56.5

Date.	Texas.																											
	Del Rio.		El Paso.		Fort McIntosh.		Fort Stockton.		Fort Worth.		Galveston.		Hallettsville.		Houston.		Lufkin.		Palestine.		Plainview.		San Antonio.		Seymour.		Taylor.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1....	54	32	87	43	55	31	54	37	61	48	61	47	61	47	60	45	58	42	52	28	62	44	53	36	59	42		
2....	57	32	81	33	67	31	50	29	56	46	57	37	58	38	57	33	64	32	64	36	60	38	65	34	66	37		
3....	70	33	79	62	81	40	62	37	69	51	70	34	64	39	65	27	62	33	69	29	68	37	68	39	65	37		
4....	70	40	83	53	52	32	40	76	50	75	69	78	51	78	59	77	46	74	51	74	34	75	51	74	52	72		
5....	64	47	82	47	77	53	75	57	77	69	76	63	77	64	68	48	70	72	62	70	44	75	63	88	47	74	62	
6....	65	40	87	59	75	44	66	50	75	64	76	60	76	60	77	53	68	54	69	31	80	55	67	42	76	52		
7....	72	34	87	48	89	37	75	39	72	59	76	46	76	51	76	57	73	47	80	35	78	46	80	46	78	43		
8....	76	39	88	54	82	40	79	48	70	62	78	47	79	53	76	37	78	50	72	37	81	50	73	48	81	50		
9....	77	43	84	49	86	51	76	53	70	60	75	49	76	49	82	48	76	52	76	39	76	50	78	44	75	51		
10....	80	44	86	66	89	44	77	54	76	68	80	52	80	61	82	44	78	55	79	40	76	51	78	52	78	50		
11....	69	51	87	58	85	53	79																					